



Chicago Traffic Information Website

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City of Chicago

Office of Emergency Management & Communication / Traffic Management Authority





Background

- No comprehensive source for Chicago traffic data.
 - Most available data is from disparate sources.
- OEMC receives hundreds of FOIA (Freedom of Information Act) requests each year for traffic data.
- Many states and local governments provide a web based traffic information map.
 - <u>http://www.i-move.ca/Motorists</u> (Vancouver)
 - <u>http://www.leedstravel.info/cdmf-webserver/jsp/leeds.jsp</u> (Leeds, UK)





Interactive Map

- http://webapps.cityofchicago.org/traffic/
 - Average Daily Traffic (ADT)
 - Traffic Signal Locations
 - Red-Light Running Camera Intersections

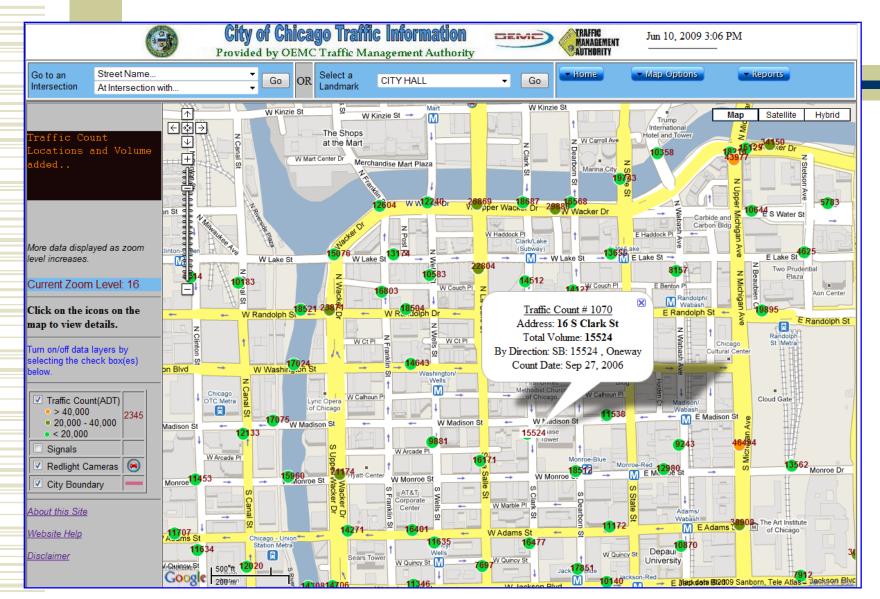




Map Features



Additional Information on each Marker







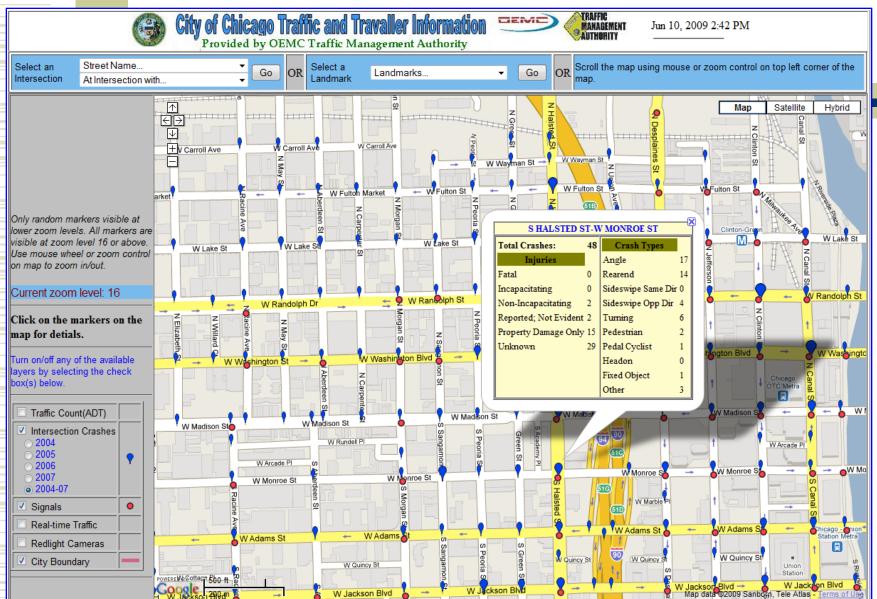
More Data Layers Planned

- Real-time arterial traffic congestion.
- Downtown Pedestrian Counts.
- Bike Routes
- Airport Advisory
- Traffic Crash Stats?
- Construction
- Traffic Incidents
- and more.....





Crash Statistics?







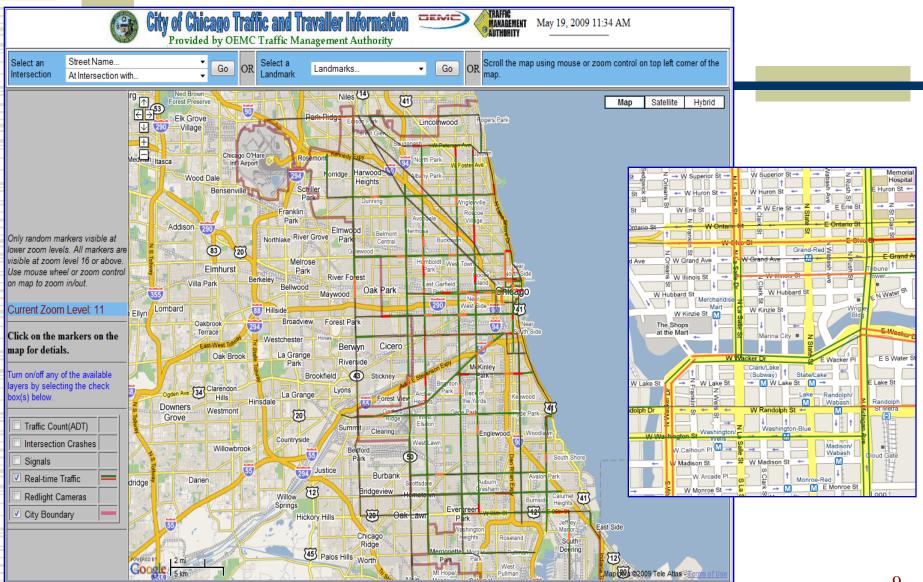
Real-time Arterial Traffic Congestion

- Estimate traffic conditions in real-time on 300 miles of strategic routes on City of Chicago.
 - <u>Probes Vehicles / CTA Buses</u> (current focus)
 - Embedded sensors
 - Cell probes
 - Toll Tag Readers, Traffic Detection Cameras etc.





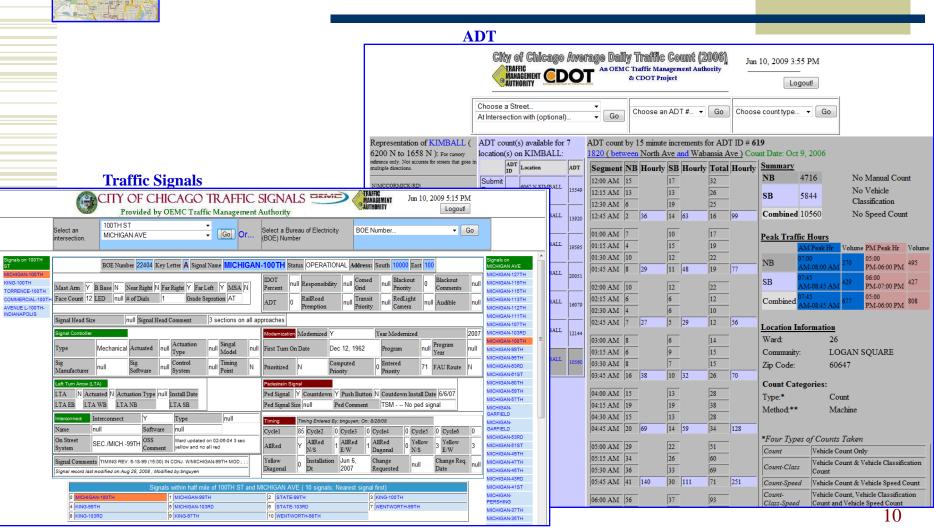
Traffic Congestion Map







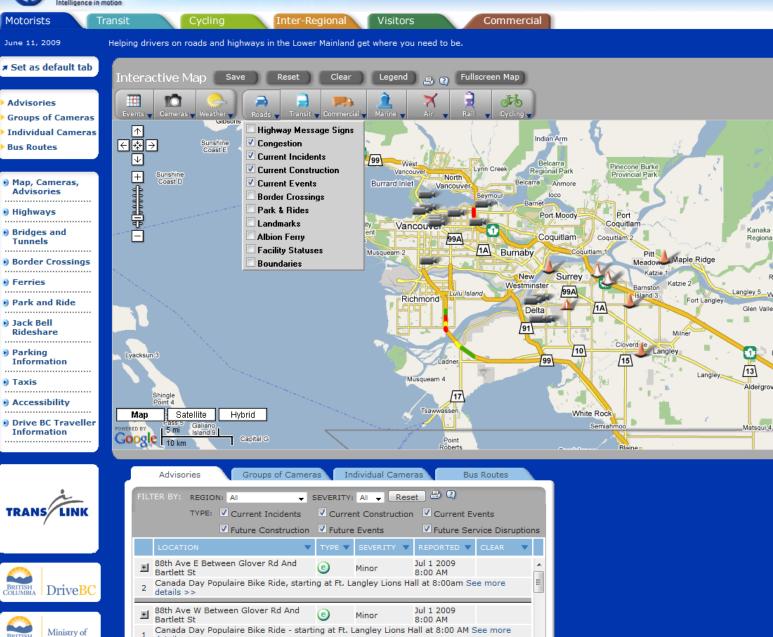
Detailed Information on Data Layers Available Though a Secure Website





Transportation

44th Ave E Between 207A St And 208th



Jun 28 2009

9:00 AM

Vancouver Traffic Website

http://www.imove.ca/Motorists





Technology

- ◆Google Map API
- Oracle Database
- Java/JSP/Java Script/Jason



Considerations

- Works faster on FireFox and Chrome browsers.
- Hundreds of markers on the map will cause the map/website to operate slow.
- Website performance is depended on the computer's memory.
- Google licensing does not permit linking the website with any internal applications.





Questions?